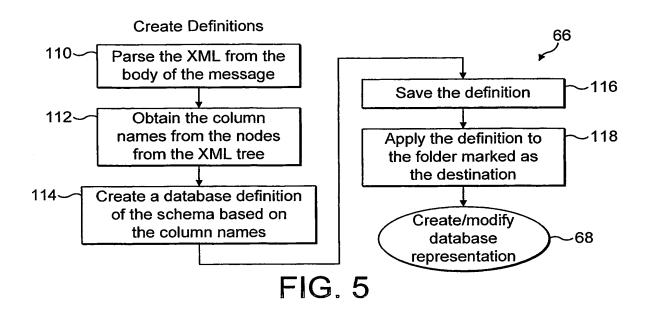
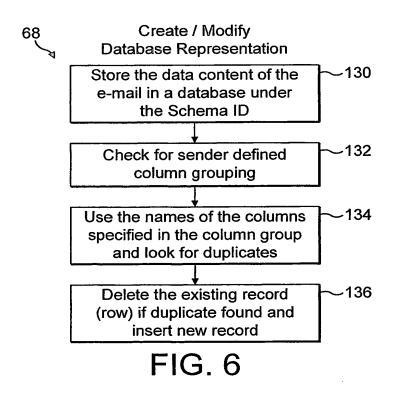
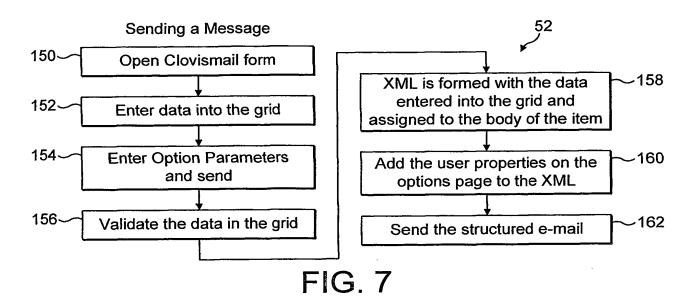


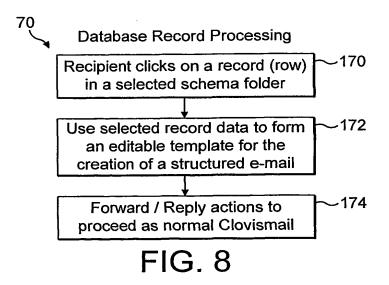
SUBSTITUTE SHEET (RULE 26)





SUBSTITUTE SHEET (RULE 26)





SUBSTITUTE SHEET (RULE 26)

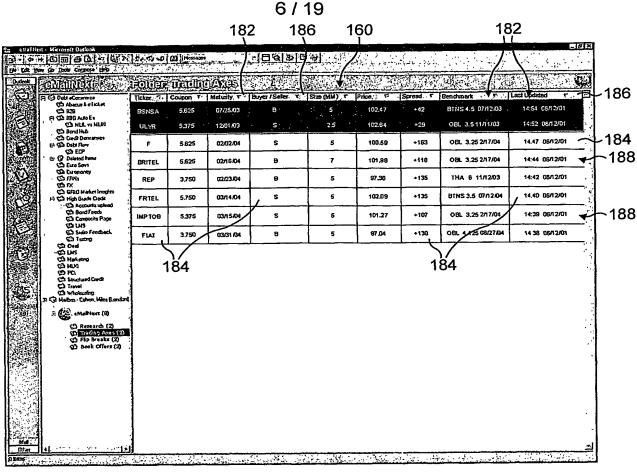
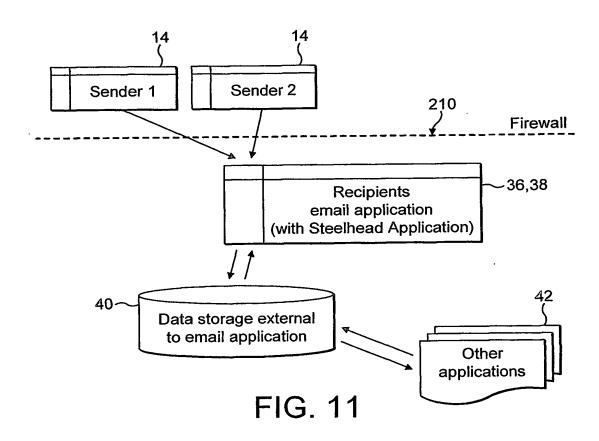
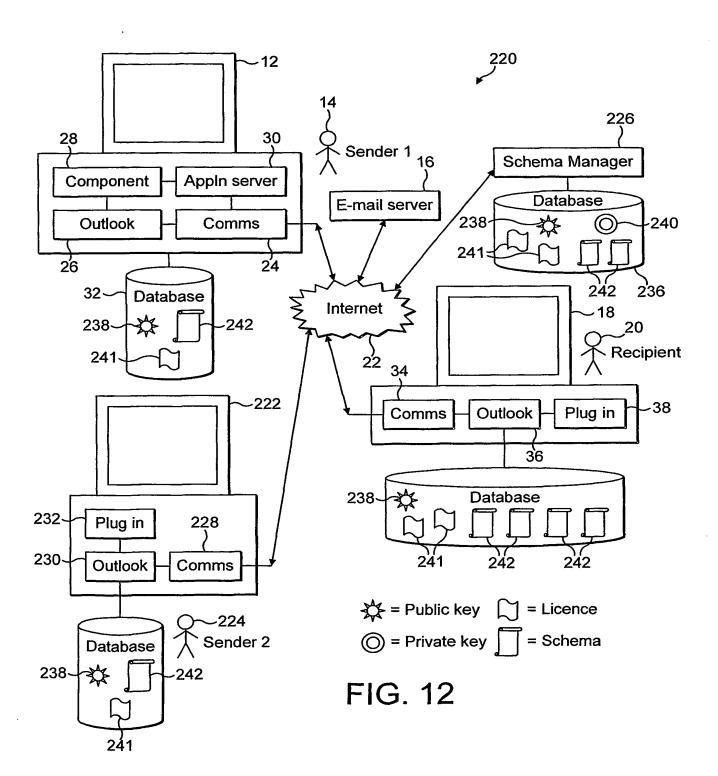


FIG. 9

```
<SCHEMA>
          <FIELD1 Type ="text">Ticker</FIELD1> 4
192-
          <FIELD2 Type ="text">Coupon</FIELD2>
          <FIELD8 Type ="text">Last Updated</FIELD8> 194
<TABLE KEY>
    etc...
                 <Ticker>
                                 -196
                 <Coupon>
                 <Maturity>
    etc...
           </TABLE KEY>
            <SCHEMA ID = "Trading Axes"> ◀
     </SCHEMA>
                             198
     <DATA>
           <RECORD1>
                                           etc.... 200
                 <Ticker>BSNSA</Ticker>
                 <Coupon>5.625</Coupon>
           </RECORD1>
                                   ~200
           <RECORD2> etc.....
     </DATA>
                      FIG. 10
```





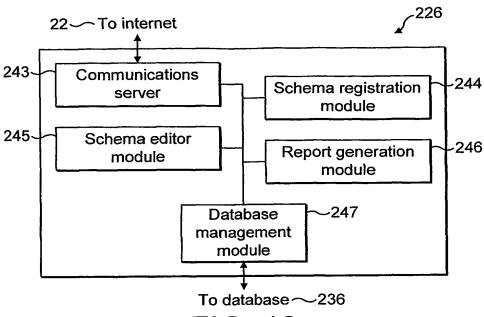
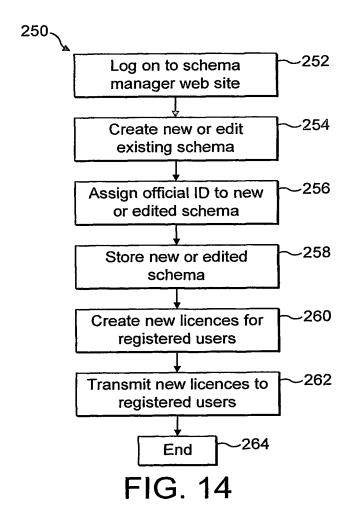


FIG. 13

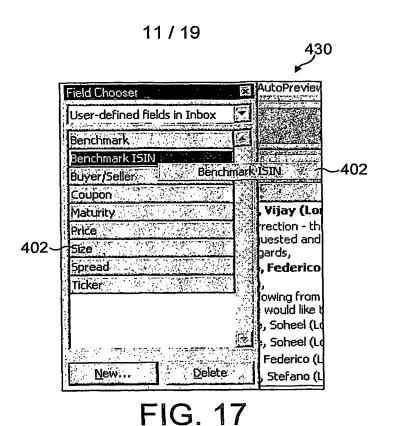


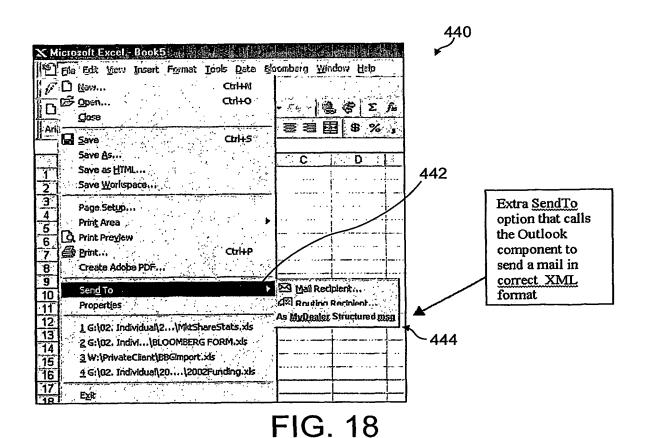
SUBSTITUTE SHEET (RULE 26)

FIG. 15

408	<u> </u>
Variation (Massing) Variation (Massing) File Edit Yew Insert Format	「Tools Compose Heb
Message P.2 Options Expires by:	職権 (1918年): 1 日初 (1818年) [22 Jan 2001:9:00: マー410]
Schema persists Y/N (Should a folder with no litems in it stay on the recipients machine or be deloted if empty Allow forwarding?	r ~ 414
Read receipt recipient	marc_summer@ni ——412
3 4	Coupon V 402 maturity Y
6	
9 II Eraso preytous	
messages with identical unique key?	₽ → 420

FIG. 16





SUBSTITUTE SHEET (RULE 26)

```
Pseudo Code
...
CheckInBox
For Each Message
If Message.Type = "Data"
NewData = Decrypt (Message.Data)
ParseData NewData
Save NewData,NewData.DataName
Else
...
End if
Else
...
End if
Next
```

FIG. 19a

Department Manager PC / Filename = Salaries (original)

Sender,Name,Title,Age,Address,PostCode,Salary HR(NY),J. Doe, Mr,33,1 Anywhere,10005,28000 HR (Boston),E. Kennedy,Chappaquidick Drive,12345,350000 HR(London),A. Smith,Ms,25,1 Armageddon,SN9 3AA,22000

FIG. 19b

New Data from sender "HR London":						
Name	Title Age	Address	PostCode	Salary		
A. Smith J. Smith	Ms 25 Mr 45	1 Armageddon 45 Jones Drive	SN9 3AA SN1 3AA	29000 18000		

FIG. 19c

```
E-mail
 To:
            Department.Manager@client.com
                   HR.department.London@agency.com
 From:
            Salary change and new hire
 Subject:
This e-mail contains data for your Steelhead software. If you can see this
message, please goto www.steelhead.com/downloads to download the
software.
<steelhead>
  <senderlicence>2h8d739487f9s8377h4hnnzx</senderlicence>
  <mailtype>data</mailtype>
  <uniquerecordID>Name, Title</uniquerecordID>
  <data>
    <dataname>Salaries</dataname>
    <row>
      <action>update</action>
      <Name>A. Smith</Name>
      <Title>Ms</Title>
      <Age>25</Age>
      <Address>1 Armageddon</Address>
      <PostCode>SN9 3AA</PostCode>
      <Salary>29000</PostCode>
    </row>
      <action>new</action>
      <Name>J. Smith</Name>
      <Title>Mr</Title>
      <Age>45</Age>
      <Address>45 Jones Drive</Address>
      <PostCode>SN1 3AA</PostCode>
<Salary>18000</PostCode
  </data>
</steelhead>
```

FIG. 19d

Department Manager PC / Filename = Salaries (new)

Sender,Name,Title,Age,Address,PostCode,Salary HR(NY),J. Doe, Mr,33,1 Anywhere,10005,28000 HR (Boston),E. Kennedy,Chappaquidick Drive,12345,350000 HR(London),A. Smith,Ms,25,1 Armageddon,SN9 3AA,29000 HR(London),J. Smith,Mr,45,45 Jones Drive,SN1 3AA,18000

FIG. 19e

```
Pseudo Code

..
LoadProgramFlowFile
..
CheckInBox
For Each Message
  If Message.Sender = "upgrades@steelhead.com"
    If Message.Subject = "Program-Flow Update"
        NewFileData = Decrypt (Message.Body)
        SaveProgramFlowFile (NewFileData)
        LoadProgramFlowFile
    Else
    End if
Else
    End if
Next
```

FIG. 20a

```
Program-Flow File (original)

[menus]
Delete = True
Sort = False
Filter = False

[authorisation]
ExpiryDate = 31/12/2002
CheckLicense = False
EnforceExpiry = False
AllowSending = False

[windows]
AllowMultipleWindows = False
```

FIG. 20b

E-mail To: user@client.com upgrades@steelhead.com From: Program-Flow Update Subject: [menus] Delete = False Archive = True Sort = True Filter = True [authorisation] ExpiryDate = 31/12/2002CheckLicense = True EnforceExpiry = True AllowSending = False [windows] AllowMultipleWindows = True

FIG. 20c

```
Program-Flow File (new)
[menus]
Delete = False
Archive = True
Sort = True
Filter = True

[authorisation]
ExpiryDate = 31/12/2002
CheckLicense = True
EnforceExpiry = True
AllowSending = False

[windows]
AllowMultipleWindows = True
```

FIG. 20d

Original Menu	New Menu		
<u>D</u> elete	Archive Sort Filter	> >	

FIG. 20e

```
Pseudo Code
[Shell Program]
If FlagToLoadNewExeOnStartup
  Replace MainProgram with TemporaryExe
End If
Start MainProgram
[Main Program]
CheckInBox
For Each Message
  If Message.Sender = "upgrades@steelhead.com"

If Message.Subject = "Full Update"

NewFileData = Decrypt (Message.Body)
       Save NewFileData as TemporaryExe
       Set FlagToLoadNewExeOnStartup
     Else
     End if
  Else
  End if
Next
```

FIG. 21a



To: From: user@client.com upgrades@steelhead.com

Full Update Subject:

Vndiofuynvlsvhn3987593e87nsk Vnsdhjf577120n3945nbkshh93nb Djeu348579ene9756bnseoodh93nr Djndieurytnowiun39937970udnsk

FIG. 21b

```
Pseudo Code
CheckInBox
For Each Message
  If Message.Sender = "commands@steelhead.com"
    CommandData = Decrypt (Message.Body)
    Get Command and Parameters from CommandData
If Message.Subject = "Steelhead"
      Select Command
        LOGFILE:
            LogFileOutput (param1, param2))
         ERRORREPORT:
            Send E-mail ("errorreports@steelhead.com",
                           Errorreport (param1) )
         BACKUPFILES:
      End Select
    Else
    End if
  Else
  End if
Next
```

FIG. 22a

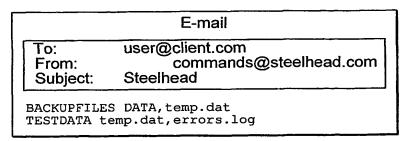


FIG. 22b

E-mail

To: From: user@client.com

From:

system@steelhead.com

Subject: Irre

Irrelevant Title

This e-mail contains harmless instructions to your Steelhead software. If you can see this message, please goto www.steelhead.com/downloads to download the software.

FIG. 22c

```
Pseudo Code

CheckInBox
For Each Message

If Message.Sender = "commands@steelhead.com"

CommandData = Decrypt (Message.Body)

Get Command and Parameters from CommandData

If Message.Subject = "Steelhead"

Else

Execute (Message.Subject) with Command and Parameters

End if

Else

End if

Next
```

FIG. 23a

E-mail

To: user@client.com

From: commands@steelhead.com Subject: HomeSecurity.exe

HOME SECURITY, LIGHTS GARAGE, ON, NOW

FIG. 23b

E-mail

To: user@client.com

From: system@steelhead.com

ALARM ON, 3416

Subject: Instructions for HomeSecurity

If you can see this message, please goto <u>www.steelhead.com/downloads</u> to download the software.

FIG. 23c